Application No.	Applicant(s)	
09/781,125	GERLACH ET AL.	
Examiner	Art Unit	
Bernard E Souw	2881	
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6. ☐ Interview Summary Paper No./Mail Da 08), 7. ☐ Examiner's Amend	(PTO-413), te ment/Comment	
	D9/781,125 Examiner Bernard E Souw Pars on the cov r sheet with the comparison of the appropriate communication is and MPEP 1308. Biled 01/09/2004. Deen received by the Examiner. Deen received in Application No Cuments have been received in this communication to file a reply item of this application. District the attached EXAMINER are reason(s) why the oath or declarate the submitted. Description of the submitted of the submitted of the submitted. Description of the submitted of the s	Bernard E Souw 2881 Pars on the cov r sheet with the correspondence address-(OR REMAINS) CLOSED in this application. If not included or other appropriate communication will be mailed in due course. THI GHTS. This application is subject to withdrawal from issue at the initial and MPEP 1308. 2003 are accepted by the Examiner. 2003 are accepted by the Examiner. 2004 are accepted in Application No 2015 been received. 2016 been received in Application No 2017 currents have been received in this national stage application from the standard of this communication to file a reply complying with the requirements standard this application. 2018 the submitted is a reply complying with the requirements of this application. 2019 this communication to file a reply complying with the requirements standard this application. 2020 the standard examiner's AMENDMENT or NOTICE OF the series on some standard examiner in the Office action of the submitted. 2030 the submitted is a reply complying with the requirements of this application. 2040 The standard examiner in the Office action of the submitted. 2051 Same and the submitted is a reply complying with the requirements of the submitted. 2062 The submitted is a reply complying with the requirements of the submitted. 2073 The submitted is a reply complying with the requirements of the submitted. 2084 The submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the submitted is a reply complying with the requirements of the

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DETAILED ACTION

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Continued Examination

1. A request for continued examination under 37 CFR 1.114, including the fee set

forth in 37 CFR 1.17(e), was filed 01/09/2004 in this application after final rejection

mailed 07/09/2003. Since this application is eligible for continued examination under 37

CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of

the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's

submission filed on 01/09/2004 has been entered.

Interview

2. A telephone interview has been conducted on 12/30/2003 and an interview

summary (PTOL-413) has been previously mailed to the Applicant.

Amendment

3. The amendment filed along with the RCE on 01/09/2004 has been entered.

Claims 1, 26, 27 and 29 have been cancelled.

New claims 31-34 have been added.

Pending in this office action are claims 2-25, 28, and 30-34.

This office action has been made with all the amendments being fully considered.

Terminal Disclaimer

4. A Terminal Disclaimer has been submitted along with the RCE, and also has been entered and approved.

Response to Applicant's Arguments

5. Applicant's arguments filed 01/09/2004 have been fully considered. The following is the Examiner's response.

Claim 1 having been cancelled and claims 2, 3, 7, 8 and 20 having been appropriately amended according to what has been agreed upon during the 12/30/2003 interview, the application is now allowed, including the new claims 31-34, the latter for their being dependent upon allowed claims.

ALLOWANCE

6. Claims 2-25, 28, and 30-34 are allowed.

Claims 2-25, 28, and 30-34 are subsequently renumbered to claims 1-30 by the examiner.

Reasons for Allowance

7. The following is an examiner's statement of reasons for allowance:

An apparatus including multiple ion guns and associated multiple ion optical columns, comprising one sealable ion gun chamber having positioned therein multiple ion guns (as recited in claim 2 in original numbering), or a multiple of sealable ion gun

chambers each enclosing one or more ion guns (as recited in claim 3 in original numbering), each ion gun capable of generating an ion beam, the multiple ion beams forming a multiple ion columns, each optical column being associated with one of the multiple ion guns for focusing and directing the corresponding beam toward a target contained in a vacuum chamber that is equipped with vacuum valves, each vacuum valve associated with each of the ions guns, the vacuum valves selectively opening to allow the corresponding ion beam to pass from the gun to the target, or selectively closing to seal the corresponding ion gun chamber, is neither anticipated nor rendered obvious by any prior art.

Claim 20 (original numbering) is allowed for reciting a system of multiple column focused ion beams comprising multiple ion guns for forming multiple ion beams, a bar having holes for forming multiple ion optical lenses, each optical lens corresponding to one of the multiple ion beam sources, thus forming together a multiple of ion beam columns, whereby the multiple ion optical lenses share a common voltage applied to the bar.

Claims 4-19, 21-25, 28 and 30-34 (original numbering) are also allowed because of their dependencies, either directly or indirectly, upon claims 2, 3 and/or 20.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Communications

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9. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Bernard E Souw whose telephone number is 571 272

2482. The examiner can normally be reached on Monday thru Friday, 9:00 am to 5:00

pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John R Lee can be reached on 571 272 2477. The central fax phone

number for the organization where this application or proceeding is assigned is (703)

872-9306 for regular communications as well as for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703 308

0956.

bes

June 18, 2004

JOHN F. LEE SUPERVISION FATENT EXAMINER

TECHNOLOGY CENTER 2800